_	ISBN - 002287066	0	Publisher -	Macı	millan/l	McGray	w-Hill		
Publisher	Kentucky Student E	T dollorior	mao					Provide.	
the P		Author - Ha	Hackett, and others				d by :		
		Edition - Fir	ion - First			oility -	Modified	Dale-Chall 2.	
Provided by	Course - Science				Grade(s) -	2		ublish
Pro	Teacher Edition ISBN	N if applicable						0022871	<u></u>
Overall Recommendation: Recommended as Ba				Basal					
C	Overall Strengths, Weaknesses, Comments:								

- *Coverage of the seven big ideas is strong, and contains supplemental material for enrichment.
- *Assessment options are varied and comprehensive.
- *Technology connections are referenced, but the majority were not available for our review, as the site was still under construction, and the CD roms were not available for review.
- *Activities/labs sometimes lacked substance and seemed to be more artistically motivated than scientifically motivated.
- *Cross curricular connections were strong and easy to find in the teacher text.
- *A variety of free with purchase materials are available. However, schools need to be selective in their materials. Leveled readers are an option in the free with purchase materials, if selected.
- *Teacher's edition is well organized and provides for ease of use.

CRITERIA

This basal resource

	This basal resource					
A. Encompasses KY Content Standards & Grade Level Expectations			Strong EvidenceModerate EvidenceLittle or No Evidence			
		☐ Text is designed to be used in an elective course	outside	the Program of Studies		
1) Includes the 7 Big Ideas of science to the following extent:			ent:			
	a)	Structure and Transformation of Matter	Stron	g Moderate Little N/A		
	b)	Motion and Forces	Stron	g Moderate Little N/A		
	c)	The Earth and the Universe	Stron	g Moderate Little N/A		
	d)	Unity and Diversity	Stron	g Moderate Little N/A		
	e)	Biological Change	Stron	g Moderate Little N/A		

	f) Energy Transformation	⊠ Strong	g Moderate	Little N/A
	g) Interdependence	⊠ Stron	g Moderate	Little N/A
2)	Addresses content-specific enduring understandings from the related Program of Studies standards.	⊠ Stron	g Moderate	Little N/A
3)	Addresses content-specific skills and concepts from the related Program of Studies standards.	⊠ Stron	g Moderate	Little N/A
4)	Content addressed is current, relevant and non-trivial	⊠ Stron	g Moderate	Little N/A
5)	Provides opportunities for critical thinking/reasoning	⊠ Strong	g Moderate	Little N/A
6)	 Strengths, Weaknesses, Comments: Specific strengths-which areas/concepts are covered e Specific weaknesses-which areas/concepts would likely 	•	•	?
	*The chapters dealing with interdependence address comprehensively. *The activities within Big Idea 3, the Earth and the U	Jniverse,	developing	weather
(concepts and patterns do a great job of having the s *Some higher level concepts are introduced that are Standards and may not be age appropriate (i.e. modearth layers).	n't congr	uent with Ke	entucky
(*Some higher level concepts are introduced that are Standards and may not be age appropriate (i.e. mod	n't congr	uent with Ke	entucky
()	*Some higher level concepts are introduced that are Standards and may not be age appropriate (i.e. mod	n't congr	Strong Ev	entucky changes,
B.	*Some higher level concepts are introduced that are Standards and may not be age appropriate (i.e. modearth layers).	n't congr on phases	Strong Ev Moderate Little or N	entucky changes, vidence Evidence
B.	*Some higher level concepts are introduced that are Standards and may not be age appropriate (i.e. modearth layers). Functionality & Suitability	n't congr on phase: ⊠ Strong	Strong Ev Moderate Little or N G Moderate	vidence Evidence lo Evidence Little N/A
B. 1)	*Some higher level concepts are introduced that are Standards and may not be age appropriate (i.e. moderath layers). Functionality & Suitability Suitability Should be suitable for use with a diverse population an ethnicity, gender, religion, social and/or geographic env	N't congr on phase: ⊠ Strong d is free or vironment;	Strong Ev Moderate Little or N G Moderate f bias regarding is free of stere	vidence Evidence lo Evidence Little N/A
B. 1)	*Some higher level concepts are introduced that are Standards and may not be age appropriate (i.e. moderath layers). Functionality & Suitability Suitability Should be suitable for use with a diverse population an ethnicity, gender, religion, social and/or geographic envany kind.	Strong Strong Strong Strong te than a r	Strong Ev Moderate Little or N G Moderate f bias regarding is free of stere g Moderate mere collection is discipline	vidence Evidence Little N/A ng race, age, eotyping or bias of Little N/A
B. 1)	*Some higher level concepts are introduced that are Standards and may not be age appropriate (i.e. modearth layers). Functionality & Suitability Suitability Should be suitable for use with a diverse population an ethnicity, gender, religion, social and/or geographic envany kind. Content quality Free from factual errors Content is presented conceptually when possible—more Content included accurately represents the knowledge	Strong Strong Strong Strong te than a r	Strong Ev Moderate Little or N G Moderate f bias regarding is free of stere g Moderate mere collection is discipline is of the scient	vidence Evidence Little N/A ng race, age, eotyping or bias of Little N/A

- Provides opportunities for summarizing, reviewing, and reinforcing vocabulary skills and concepts at multiple levels of difficulty for a variety of learning styles.
- Student text provides opportunity to integrate reading and writing
- Uses vocabulary that is age and content appropriate
- Focuses on critical vocabulary vs. extensive lists
- Identifies key vocabulary through definitions in both text and glossary
- Engaging text- does the text facilitate learning?
- Does understanding the text require having performed the imbedded activities?

).	Supports Inquiry and Skill Development	Strong Evidence Moderate Evidence			
	*Literacy connections are strong, with many writing connection making concept books, etc.). Reading skills are emphasized sequence, use graphic organizers, and read articles and vario *Poems are provided that relate to concepts. *Key vocabulary with pictures can be found at the beginning *Leveled readers are referenced in the Teacher Edition, but where the form of the strong with this program, but a variable as a choice for gratis materials. *Technology appears to be very strong with this program, but a variable as a choice for gratis materials. *Technology gratis materials include an interactive learning and spanish and English, as well as a pupil edition on audio cd. Or referenced, but were not available for our review. *Support for Diverse Learners includes scaffolded ESL/ELL sut the teacher edition. *Differentiation suggestions are provided for re-teaching and *Online site was not yet available, as the site was still under	as students are asked to bus types of text. of each chapter. were available as a choice of the CD Roms are only adventures program in Other cd resources were aggestions embedded in extension.			
6)	 Strengths, Weaknesses, Comments: Reviewers may provide page numbers to point out specific strong evaluation standards. 	g examples for individual			
	 Provides support for ESL students Provides support for differentiation of instruction in diverse classro Note: may apply only to teacher edition 	ooms			
5)	Support for Diverse Learners				
	 Integrates technology and reflects the impact of technological adv Uses technology in the collection and/or manipulation of authentic 				
4)	Connections to Technology	Strong Moderate Little			
	boos understanding the text require having performed the imbedded detivities:				

Provides opportunities for inquiry and research that includes activities such as self-selecting
topics, formulating authentic questions, gathering information, researching resources, observing,
interviewing, and evaluating information, analyzing and synthesizing data and communicating

1) Promotes Inquiry, research and Application of Learning

☐ Strong
☐ Moderate
☐ Little

findings and conclusions.

- Requires students to use higher-level cognitive skills (analysis, synthesis, evaluation, etc.)
- Provides activities and projects for students to deepen their knowledge and cultivate and strengthen problem-solving and decision-making skills.
- Provides opportunities for application of learned concepts.
- Uses a variety of relevant charts, graphs, diagrams, time lines, and other illustrations to invite and motivate students to engage in discussion, problem solving, and other high-order thinking skills.
- Emphasizes conceptual understandings that invite students to predict, conclude, evaluate, develop and extend ideas to support reasoning.

Note: may apply to either teacher or student edition

2) Skil	II Development	

- Provides opportunities to make sense of data
- Provides opportunities for critical thinking and reasoning (analyze arguments, distinguish fact/opinion, recognize bias)
- Provides opportunities to examine a range of types of evidence
- Contains embedded activities (or extensions) that emphasize use of technology for problem solving

Note: may apply to either teacher or student edition

3) Strengths, Weaknesses, Comments:

*Many investigations are heavily focused in artistic representations. Many involve paper and art media rather than live science materials.

*Lab activity books are available only as a choice for gratis materials.

*Students are asked to make models and record, organize and analyze data.

D. Supports Best Practices of Teaching and Learning	Strong Evidence Moderate Evidence Little or No Evidence
1) Engages Students	

- Includes content geared to the needs, interests, and abilities of students
- Engages and motivates students using components such as real-life situations, simulations, experiments, and data gathering.
- Includes information and activities that assist students in seeing relevance of concepts (where appropriate) to their own lives and experiences
- Provides a variety of strategies, activities, and materials to enhance student learning at the appropriate learning levels
- Activities are truly congruent to the concepts addressed, not merely correlated Note: may apply to either teacher or student edition

21	Uses	Assessment	to Inform	Instruction

Strong	Moderate	Little

☐ Strong ☐ Moderate ☐ Little

- Includes multiple means of assessment as an integral part of instruction
- Provides evaluation measures in the teacher edition that supports differentiated learning activities
- Embedded assessments reflect a variety of Depth of Knowledge levels

Note: may apply to either teacher or student edition

3) Strengths, Weaknesses, Comments:

 Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards

*Text is engaging and contains Kentucky Connections.

*Many opportunities are incorporated for students to gather data and utilize graphic organizers.

*This basal includes entry level assessments, formative, and summative assessments. Intervention suggestions accompany formative assessments. A test generator is mentioned as available on CD-ROM. Online summaries, quizzes and even assessments over the science in motion animations are listed, but were not available for our review.

E. Has an Organization/ Format that Supports Learning and Teaching	Strong EvidenceModerate EvidenceLittle or No Evidence
1) Organizational Quality	Strong
 Print and/or electronic materials present minimal barriers to learn. Presents chapters/lessons in an organized and logical sequence. Provides clearly stated objectives for each lesson. Uses text features (e.g., titles, headings, subheadings, review que space, print, type size, color) to enhance readability. Makes use of various forms of media (e.g., CD's, recordings, vide software, web-based components) as either student or teacher reformed includes clear, accurate, appropriate and clearly explained illustrate reinforce content standards. Incorporates a glossary, footnotes, recordings, pictures, and/or teacher in using the book effectively Uses grade-appropriate type size Included media are durable, easy to use and have technical merit Construction appears to be durable and able to withstand normal 	estions, goals, objectives, eos, cassette tapes, computer esources ations and/or graphics that ests that aid pupils and teachers
2) Essential Components (beyond student and teacher text)	☐ Strong ☑ Moderate ☐ Little
 Items identified as essential components support the learning goal basal 	als and concept coverage of the
3) Strengths Weaknesses Comments:	

*A unit planner page at the beginning of each unit simplifies planning and provides fast track suggestions to streamline instruction if time is limited.

Reviewers may provide page numbers to point out specific strong examples for individual

*Multiple forms of media are listed as resources, although the online site is still under construction and the CD-ROM materials did not arrive for review.

*A glossary with photographs is included at the end of the book.

evaluation standards.

*Graphics and page layout are appealing and appropriate for the age level.

*A Kentucky Teacher's Supplement that highlights the Kentucky sections of the student text is the only essential component beyond the student and teacher text.

F.	Note: The decision whether to recommend or not recommend	Strong EvidenceModerate EvidenceLittle or No Evidence

1) Ancillary/Gratis Materials

- Coordinates teacher resources easily with student material (e.g., accompaniments included, student pages shown, instructional technology indicated).
- Are well-organized and easy to use
- Provide substantive learning opportunities and are congruent with student learning goals
- Provide opportunities for high-level thinking, assessment, and/or problem solving

2) Strengths, Weaknesses, Comments:

 Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

- *Manipulative kits are available as ancillary materials, and include live material coupons. Many other materials in the kit are things that could be purchased at common locations.
- *Science songs are available on CD, as well as science picture cards.
- *A teacher's guide to leveled readers is available as ancillary materials.
- *Free with purchase materials include school to home activities, KCCT prep, assessment materials, large illustrated vocabulary cards, key concept cards, and leveled cards, among other things.